



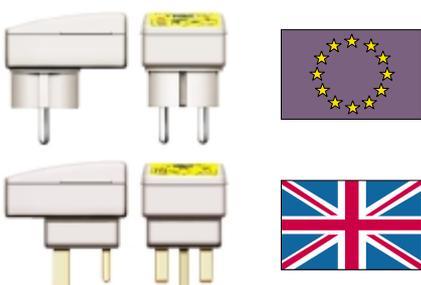
### Features:

- Mains wiring polarity check.
- ELCB/RCD testing.
- Measuring ear for line current.
- Measuring ear for leakage current.
- Helps calculate insulation resistance.
- Helps calculate power consumption.
- Helps fault finding of standing earth fault.
- Fused main adapter.
- Appliance testing (with the aid of a clamp meter).
- Fused appliance socket.
- No batteries required.
- HRC fuse inside.
- Fused, color-coded universal test sockets.
- Universal mains IED Lead.

### Scope of Supply:

- 1 pc 9101DB
- 1 pc Test lead with Schuko plug system
- 3 pc Crocodile clamps Test lead with safety plug
- 1 pc Instruction Manual

### Versions available



The tester is multi purpose test tool enclosed in a attractive rugged and convenient package which has some unique features.

The current leakage of an appliance can be measured while in-circuit as well as its current consumption.

The tester can check the mains wiring integrity and report on its polarity condition by showing the results on three bright neon lamps.

The user can cross-reference which neon light is lit up or not to a condition table and quickly establish the wiring polarity condition.

The tester also tests the tripping sensitivity of ELCB / RCD or can be utilized as a fault finding tool in case of standing leakage current.

In this case, the user can quickly find which breaker supplies the faulty circuit that causes the ELCB / RCD to have a standing current leakage fault.

The tester has a universal fused test socket that can be utilized to connect any test equipment that needs to be connected to the mains or to the appliance under test.

This is very useful in case recording the mains voltage is needed or recording the appliance voltage of a power consumption test.

### Technical Data:

<b>Voltage / Power Input</b>	Universal IEC LEAD	240V/10A
<b>Wiring Polarity Check</b>	Nominal Voltage	240V/AC
	Frequency	50/60Hz
	Mains Voltage Tolerance	±10%
<b>EICB / RCD Tester</b>	Nominal Voltage	240V/AC
	Frequency	50/60Hz
	Current Tolerance	Proportional
	(Current Proportional to Line to Earth Voltage)	
<b>Universal Test Sockets</b>	Nominal Voltage	240V/AC
	Frequency	50/60Hz
	Mains Voltage Tolerance	±10%
	Fused	10A
<b>Appliance Tester</b>	Nominal Voltage	240V/AC
	Frequency	50/60Hz
	Mains Voltage Tolerance	±10%
	Mains Voltage Tolerance	±10%
	Fused	10A
<b>Appliance Line Current Coil</b>	Line Current Fused	Measured by
	Type	current clamp
<b>Appliance Earth Current Coil</b>	Protection relies on the	
	Line Current Fused	Measured by
	Type	current clamp
<b>Dimensions</b>	223 x152 x 67mm	
<b>Weight</b>	Approx. 318g	
<b>Case Dimensions/ Weight</b>	235 x 180 x 75 mm / 800g	

# Wiring polarity checker/Mains adaptor/RCD and appliance tester

Model: 9101DB

## 9101DB Detailed Features

Mains Wiring Polarity Check

Test button - injects  $I_L$  on  $I_L$  into earthing system when pressed

Mains connections is established by using a computer lead, "IEC LEAD"

Wiring polarity check condition can be cross-referenced to this Condition table

Neon lights A, B, C cross references to the Condition table

$I_L$  on  $I_L$  flowing LED indicates when current is injected into the earth system.  $I_L$  confirms that current is flowing to earth

Current selection rotary switch

Universal mains adaptor uses 4mm compatible sockets

Color-coded Line Current Ear, to measure the line current consumption of the appliance under test

\*Appliance line current helps to calculate the power of the appliance and verifies that it is within specifications.

Earth Leakage Tester

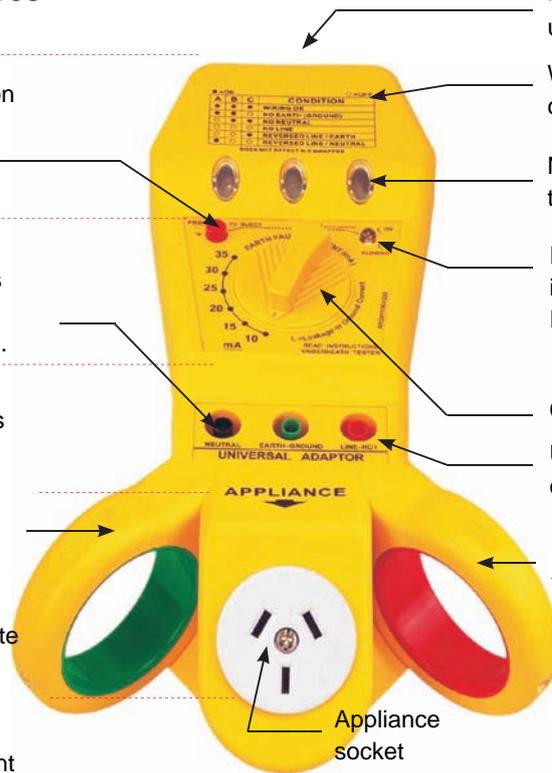
Universal adapter is connected to the mains connection via a HRC fuse and is color coded.

Fused Mains Adapter

Color-coded Earth Current Ear - measures the leakage current of the appliance under test to calculate its insulation resistance

Appliance Tester

\*Appliance leakage current helps to calculate the insulation of the appliance and verifies if the appliances adds standing leakage current onto your system

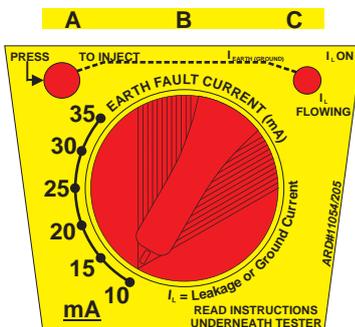


### Front Labels

● = ON      MAINS      ○ = OFF

A	B	C	CONDITION
●	●	●	WIRING OK
●	○	○	NO EARTH (GROUND)
○	●	○	NO NEUTRAL
○	○	○	NO LINE
○	○	●	REVERSED LINE / EARTH
●	○	○	REVERSED LINE / NEUTRAL

DOES NOT DETECT N-E SWAPPED



UNIVERSAL TEST SOCKETS

EARTH/GROUND CURRENT

LINE/HOT CURRENT

APPLIANCE

### Operation Fig.

